- For quadratic equations having negative discriminant values, the roots are represented with the help of complex numbers.
- The sum and product of roots of a quadratic equation can be used to find higher algebraic expressions involving these roots.

Some examples:

Example 1: Solve the quadratic equation below using the Quadratic Formula.

 $x^{2} + 5x - 14 = 0$ In Standard Form!
Great! $x^{2} + 5x - 14 = 0$ $a \qquad b \qquad c$ $1x^{2} + 5x - 14 = 0$